

**From:** [Mitchell, Judy-Ann](#)  
**To:** [Everett, Adolph](#); [Azzam, Nidal](#)  
**Cc:** [Iglesias, Ariel](#)  
**Subject:** RE: PFAS  
**Date:** Monday, August 3, 2020 3:19:21 PM

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Thank you.

JAM

Judy-Ann Mitchell  
Deputy Division Director  
Land, Chemicals and Redevelopment Division  
USEPA – Region 2  
(212) 637-3721

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**From:** Everett, Adolph <Everett.Adolph@epa.gov>  
**Sent:** Monday, August 3, 2020 3:10 PM  
**To:** Mitchell, Judy-Ann <Mitchell.Judy-Ann@epa.gov>; Azzam, Nidal <Azzam.Nidal@epa.gov>  
**Cc:** Iglesias, Ariel <Iglesias.Ariel@epa.gov>  
**Subject:** RE: PFAS

Judy-Ann,

After discussing with Nidal, I suggested and he agreed to remove comment 2. The revised list of comments is now directly below. Thanks.

1. The household municipal waste stream incineration batches are not uniform; some batches might have PFAS-containing products (products coated with PFAS) while other batches might not. How will the sampling provide defensible decisions on the incineration effectiveness of PFAS, without knowing the PFAS incineration input?
  2. From a measurement data quality objective perspective, what is the dilution ratio of PFAS to the batch volume and can the final diluted PFAS concentration be measured to conclude a defensible decision on complete destruction?
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**From:** Mitchell, Judy-Ann <[Mitchell.Judy-Ann@epa.gov](mailto:Mitchell.Judy-Ann@epa.gov)>  
**Sent:** Monday, August 03, 2020 1:11 PM  
**To:** Azzam, Nidal <[Azzam.Nidal@epa.gov](mailto:Azzam.Nidal@epa.gov)>; Everett, Adolph <[Everett.Adolph@epa.gov](mailto:Everett.Adolph@epa.gov)>  
**Cc:** Iglesias, Ariel <[Iglesias.Ariel@epa.gov](mailto:Iglesias.Ariel@epa.gov)>  
**Subject:** RE: PFAS

Please coordinate and get back to me. I need to send to Walter by COB.

Thanks

JAM

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**From:** Azzam, Nidal <[Azzam.Nidal@epa.gov](mailto:Azzam.Nidal@epa.gov)>  
**Sent:** Monday, August 3, 2020 1:08 PM  
**To:** Mitchell, Judy-Ann <[Mitchell.Judy-Ann@epa.gov](mailto:Mitchell.Judy-Ann@epa.gov)>; Everett, Adolph <[Everett.Adolph@epa.gov](mailto:Everett.Adolph@epa.gov)>  
**Cc:** Iglesias, Ariel <[Iglesias.Ariel@epa.gov](mailto:Iglesias.Ariel@epa.gov)>  
**Subject:** RE: PFAS

Judy-Ann,

I have not shared or discussed my comments with Adolph. I have browsed through the Draft Covanta Communications paper within the last 20 minutes. Given that Covanta incinerates municipal waste (household refuse), I have the following comments:

1. The household municipal waste stream incineration batches are not uniform; some batches might have PFAS-containing products (products coated with PFAS) while other batches might not. How will the sampling provide defensible decisions on the incineration effectiveness of PFAS, without knowing the PFAS incineration input?
2. I believe that we have previously concluded that the human health risk from direct use of household products coated with PFAS, such as cookware, is insignificant (not of a concern). What is the objective of assessing complete PFAS destruction from household products?
3. From a measurement data quality objective perspective, what is the dilution ratio of PFAS to the batch volume and can the final diluted PFAS concentration be measured to conclude a defensible decision on complete destruction?

Nidal Azzam

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**From:** Mitchell, Judy-Ann <[Mitchell.Judy-Ann@epa.gov](mailto:Mitchell.Judy-Ann@epa.gov)>

**Sent:** Monday, August 03, 2020 12:09 PM

**To:** Everett, Adolph <[Everett.Adolph@epa.gov](mailto:Everett.Adolph@epa.gov)>; Azzam, Nidal <[Azzam.Nidal@epa.gov](mailto:Azzam.Nidal@epa.gov)>

**Cc:** Iglesias, Ariel <[Iglesias.Ariel@epa.gov](mailto:Iglesias.Ariel@epa.gov)>

**Subject:** PFAS

I forwarded an email from Walter Mugdan concerning Covanta last week. Will you have comments? They are due today back to Walter.

Thanks

JAM

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